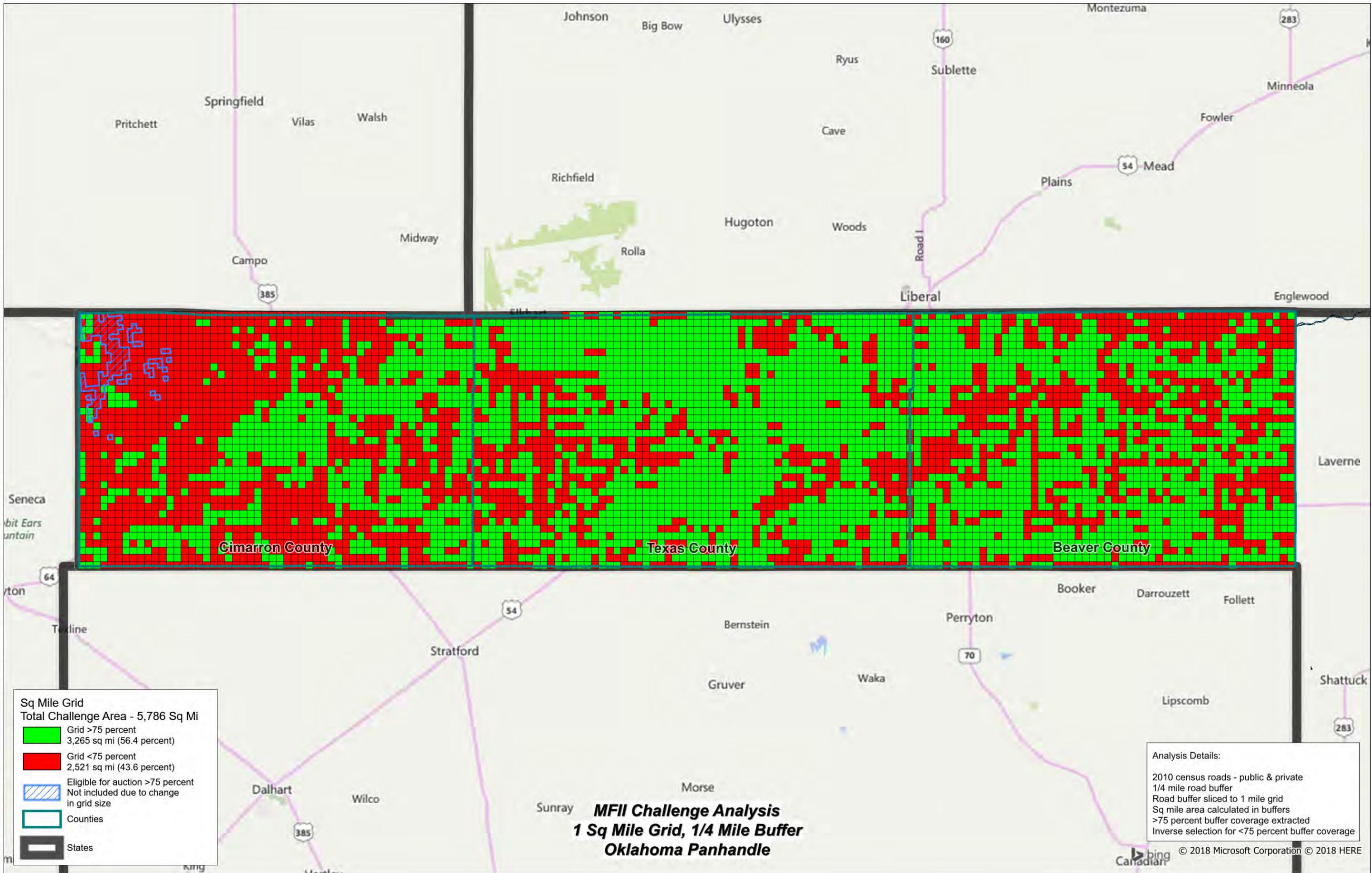
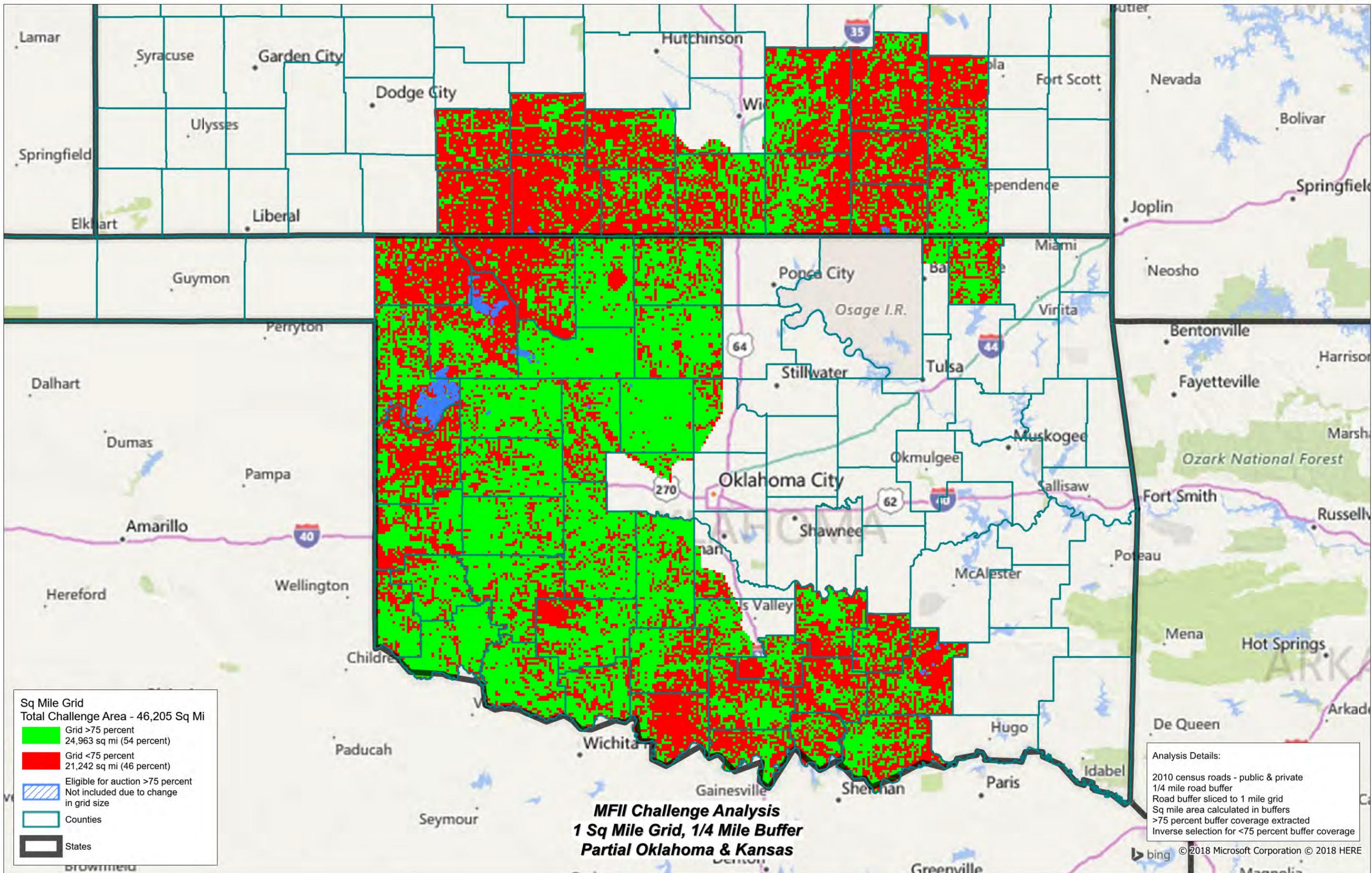


**Attachment F –
MF-II Challenge Analysis Using Square Mile Grid Cell
and 1/4 Mile Buffer Radius**



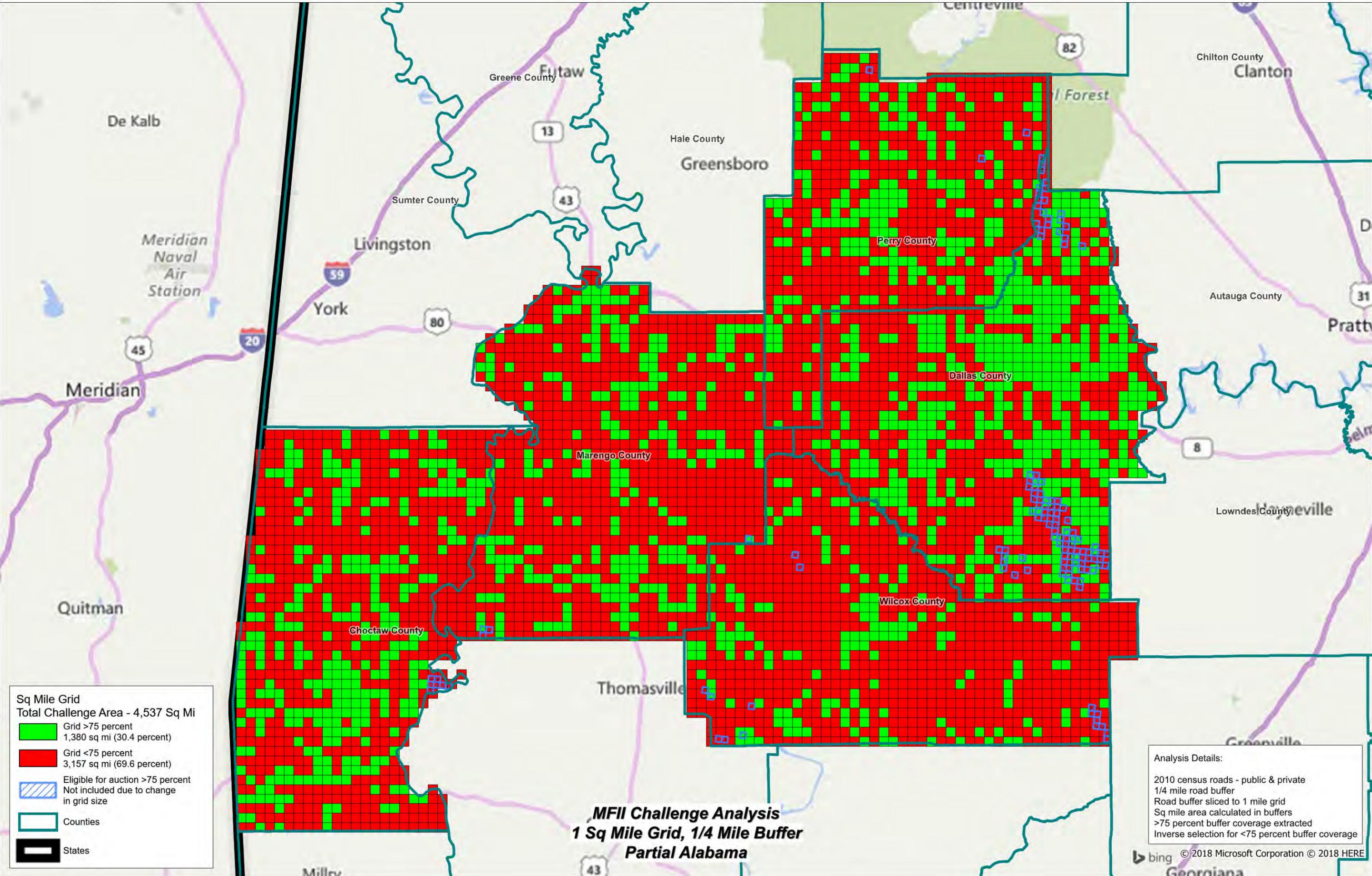


Sq Mile Grid
 Total Challenge Area - 46,205 Sq Mi

- Grid >75 percent
24,963 sq mi (54 percent)
- Grid <75 percent
21,242 sq mi (46 percent)
- Eligible for auction >75 percent
Not included due to change in grid size
- Counties
- States

Analysis Details:
 2010 census roads - public & private
 1/4 mile road buffer
 Road buffer sliced to 1 mile grid
 Sq mile area calculated in buffers
 >75 percent buffer coverage extracted
 Inverse selection for <75 percent buffer coverage

MFII Challenge Analysis
1 Sq Mile Grid, 1/4 Mile Buffer
Partial Oklahoma & Kansas



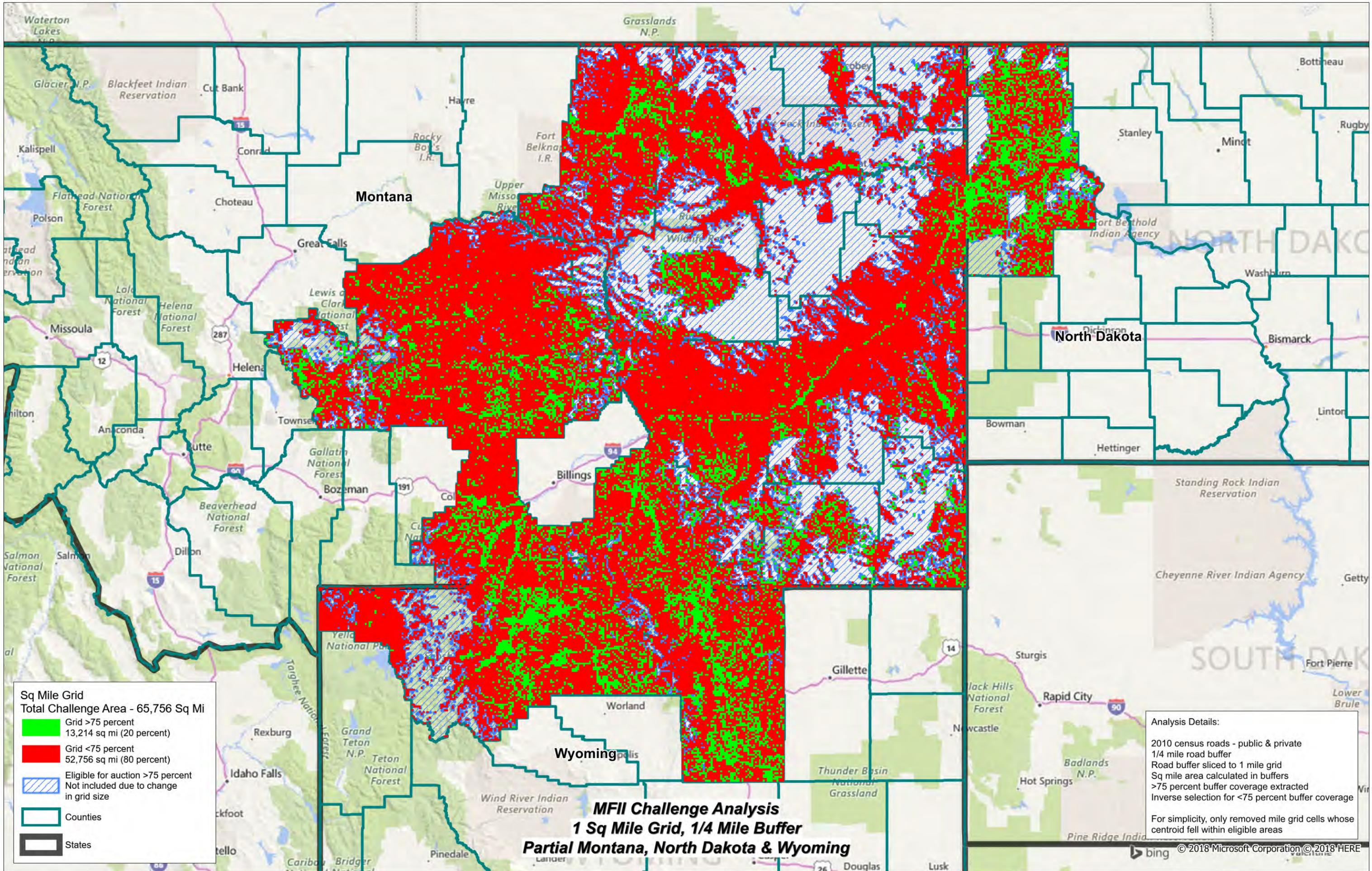
Sq Mile Grid
Total Challenge Area - 4,537 Sq Mi

- Grid >75 percent
1,380 sq mi (30.4 percent)
- Grid <75 percent
3,157 sq mi (69.6 percent)
- Eligible for auction >75 percent
Not included due to change in grid size
- Counties
- States

Analysis Details:

2010 census roads - public & private
 1/4 mile road buffer
 Road buffer sliced to 1 mile grid
 Sq mile area calculated in buffers
 >75 percent buffer coverage extracted
 Inverse selection for <75 percent buffer coverage

MFII Challenge Analysis
1 Sq Mile Grid, 1/4 Mile Buffer
Partial Alabama



Sq Mile Grid
 Total Challenge Area - 65,756 Sq Mi

- Grid >75 percent
13,214 sq mi (20 percent)
- Grid <75 percent
52,756 sq mi (80 percent)
- Eligible for auction >75 percent
Not included due to change in grid size
- Counties
- States

Analysis Details:

- 2010 census roads - public & private
- 1/4 mile road buffer
- Road buffer sliced to 1 mile grid
- Sq mile area calculated in buffers
- >75 percent buffer coverage extracted
- Inverse selection for <75 percent buffer coverage

For simplicity, only removed mile grid cells whose centroid fell within eligible areas

MFII Challenge Analysis
1 Sq Mile Grid, 1/4 Mile Buffer
Partial Montana, North Dakota & Wyoming